

Digital x-ray sensor

Rated among the top digital x-ray sensors available today, the size-1 sensor (22 x 22 um) is intelligently designed for quick acquisition and ease of use. X-rays produced by the size-1 sensor is provided superb diagnostic quality that rivals other systems.

Integrated Digital X-ray Sensor

Digital x-ray system acquires images quickly with lower and safer radiation exposure compared to traditional film exposure. Using USB 2.0 plug-and-play technology the sensor allows you to view, diagnose and manipulate images in few seconds or minutes



16-bit Conversion Process with Over 65,000 Shades of Gray

A 16 bit Analog-to-Digital image transfer allows the size-1 sensor to discern the highest level grayscale accuracy than most other digital x-ray systems. A total of over 65,000 grayscale levels are included in the size-1 sensor to offer maximum x-ray image quality for better patient diagnosis



Faster USB 2.0 Connectivity Quickly Acquires Images

The size-1 sensor offers USB 2.0 compatibility that supports 12Mbs during Analog-to-Digital image acquisition. Using USB 2.0 technology images are captured within seconds or minutes and displayed on a monitor for enhancements and editing.

Small CCD Controller is easily portability from operator to operator

A look at the controller itself reveals it is considerably smaller, very similar to the size of a computer mouse. The size-1 sensor (22 x 22 um) is among the smallest CCD x-ray controllers on the market.

Durable Carbon-Based Edge Connector for Added Strength and Durability to the Sensor

The size-1 sensor (22 x 22 um) is designed with a stronger sensor casing, which protects the internal parts of the sensor. The sensor is encased in a carbon-based enclosure for added protection and increased durability. The carbon-based enclosure enhances durability and reliability compared to injection-molded sensor housings.

1 Sensor Size for Improved Patient Comfort and Easier Positioning

The new custom-designed size-1 sensor (22 x 22 um) sensors are available in for easier sensor positioning and improved patient comfort.

Sensor Size 1

Number of pixels 1.25 million
Pixel Size 22 x 22 micro-meter
Technology CCD + Scintillator
Weight 3 ounces. (88 g)
Dimensions Length Width Height
External 1.6 inches 1 inch 0.25 inches
(39.5 mm) (25 mm) (5.7 mm)
Active Surface 20 x 30 mm, i.e. 600 mm²
Attached Cable length) 4 feet (1.25 me